Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & Part bill

YNK-DBR No.....
Date.....

Date AEE, YSTSD 20

Division: Yelahanka Sub Division: Yelahanka Sattelite Town

Bill Received No..... Dated..... Cash Book Voucher No..... dated

Scheduled Docket No.....

SBR No: 04/2021-21

Date: 21/4/2021.

Name of Work: Comprehensive Development of roads and drains at Deo Marvel,AMS Layout, Swagat Layout, Akashavani Layout, Chowdappa Layout and GKVK Layoutin Ward No- 03&04 of Yelahanka Division (Package No-03)

Job Code No: 003-21-000046

Est. cost: 1000.00 lakhs

Name of Contractor and Full Address: Sri. P. Domadar Raju, Bangalore.

Work Order No: **BBMP/EE/YNK.D/EPMT-04/W.O/ 165 /2020-21,** **Dated : 14-12 -2020**

Certified that the measurements were taken by me on 5/3/2021 and recorded in pages 496506 to 496511 of measurement Book No. 4966/2020-21 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 05/03/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being percent Rs
3) Deduct amount to be held in Balance
4) Deduct Payment
   a) Amount of previous payment as in the Office Cash Book Voucher No Dated S D No
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No date less adjustments
7) Net amount due to or from contractor
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Govern materials supplied

Bill Amount	7349312920
(+) CESS	8819175-00
TOTAL	8231230400
Less::	
IITax	7349323-00
SGST	7349323-00
CGST	7349323-00
BCWWC	8231230-00
CBRF	823123-00
ROYALTY	163670000
FINE	—
FSD	—
OTHERS	—
TOTAL DEDUCTION	47469330-00
NET CHQ	77565371-00

Contractor's Signature

Received Rs (in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses

1.

2

Dated Signature of Contractor

Paid by me by cheque No Dated and Rs

Cash Rs Dated

Initials of Officer Making Payment

(For use in the Office)

Audited & Admitted for Rs. 8231230400

77565371-00 by Cheque

47469330-00 by adjustement

Asst. Superintending Engineer
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Name of Work: Comprehensive Development of roads and drains at Deo Marvel,AMS Layout, Swagat Layout, Akashavani Layout, Chowdappa Layout and GKVK Layoutin Ward No- 03&04 of Yelahanka Division (Package No-03)

Sl No	Description of Work	Unit	As per Modified Schedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	5162.91	226.00	1166819.00	-	-	5162.56	226.00	1166739	5162.56	1166739
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate a) 40mm Jelly	Cum	3.83	1995.67	7644.00	-	-	3.83	1995.67	7643	3.83	7643
3	b) 20mm Jelly	Cum	3.83	1995.67	7644.00	-	-	3.83	1995.67	7643	3.83	7643
4	c) Coarse sand.	Cum	2.80	2783.02	7793.00	-	-	2.80	2783.02	7792	2.80	7792
5	d) Fine Sand	Cum	1.96	2783.02	5455.00	-	-	1.96	2783.02	5455	1.96	5455
6	e) 12.5mm chips	Cum	2.05	1995.67	4092.00	-	-	2.05	1995.67	4091	2.05	4091
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE Grade PE80-PN6.0, 630 mm dia. (Perforated Pipe for Rain Water Harvesting Pit)	Rmt	57.20	11361.27	649865.00	-	-	0.00	11361.27	0	0.00	0
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge.	Sqm	9.33	74.57	696.00	-	-	9.33	74.57	696	9.33	696
9	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	810.20	5691.91	4611586.00	-	-	810.20	5691.91	4611597	810.20	4611597
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.	Cum	1493.74	7422.30	11086995.00	-	-	1493.68	7422.30	11086551	1493.68	11086551
11	KSRRB - M2300-14. Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tn	95.13	77677.05	7389418.00	-	-	95.13	77677.05	7389261	95.13	7389261

Material Test Hansa Pvt. Ltd. Bangalore Karnataka

Sl No	Description of Work	Unit	As per Modified Schedule-B			Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate In Rs.	Amount	Qty	Amount
12	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete As per Engineer	Sqm	3924.99	2453.38	9629492.00	-	-	3924.99	2453.38	9629492	3924.99	9629491
13	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	161.29	5687.82	917366.00	-	-	161.28	5687.82	917332	161.28	917332
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation	Nos	7604.00	454.02	3452369.00	-	-	7585.00	454.02	3443742	7585.00	3443741
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	1389.64	89.02	123706.00	-	-	1389.36	89.02	123681	1389.36	123681
16	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	5541.62	67.12	371954.00	-	-	5541.27	67.12	371930	5541.27	371930
17	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications.	Sqm	7037.01	43.40	305407.00	-	-	7036.11	43.40	305367	7036.11	305367
18	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per	Sqm	10747.63	6.68	71795.00	-	-	10746.99	6.68	71790	10746.99	71790
19	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	3721.97	2094.27	7794814.00	-	-	3721.97	2094.27	7794801	3721.97	7794801
20	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	6911.02	2100.94	14519632.00	-	-	6910.74	2100.94	14519044	6910.74	14519044
21	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	30169.29	31.16	940075.00	-	-	11279.61	31.16	351472	11279.61	351472

Sl No	Description of Work	Unit	As per Modified Schedule -B			Measurement						
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
22	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.	Sqm	8160.51	5.56	45373.00	–	–	8160.51	5.56	45372	8160.51	45372
23	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per	Sqm	37673.49	13.35	502942.00	–	–	18784.16	13.35	250769	18784.16	250769
24	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 %	Cum	1549.00	6726.80	10419804.00	–	–	625.11	6726.80	4205003	625.11	4205001
25	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	1275.60	7913.04	10093878.00	–	–	676.24	7913.04	5351135	676.24	5352131
26	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	1417.03	477.39	676476.00	–	–	690.78	477.39	329771	690.78	329771
27	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	2028.00	375.01	760521.00	–	–	1066.00	375.01	399761	1066.00	399761

Material Test House Pvt. Ltd. Bangalore Karnataka

Sl No	Description of Work	Unit	As per Modified Schedule -B			Measurement						
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
28	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate .86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor	Cum	134.36	3989.34	536018.00	-	-	134.36	3989.34	536018	134.36	536018
29	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.	Cum	309.47	5470.47	1692928.00	-	-	309.42	5470.47	1692692	309.42	1692691
		Total			87792557.00					74626642.61		74626641.61
		12% GST			10535107.00					8955198.00		8955191.00
		Grand Total			98327664.00					83581840.61		83581841.61

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Assistant Engineer

5/5/2021

Bangalore Karnataka Agriculture House Pvt Ltd

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Asst. Executive Engineer,